WHAT IS CLAIMED IS:

1. A component of a heat pipe assembly comprising: hollow fluid transport sections communicating with hollow bendable fluid transport sections; the bendable fluid transport sections being bendable to stack the rigid sections in a compact volume.

2. The component of claim 1, and further comprising: fins on the hollow fluid transport sections.

3. The component of claim 1, and further comprising: a further flexible hollow fluid transport section connecting the component in a heat pipe assembly.

4. The component of claim 1, and further comprising: a liquid line or vapor line extending through the hollow fluid transport sections and through the bendable fluid transport sections.

5. The component of claim 1, and further comprising: an exterior side of the hollow and bendable fluid transport sections dissipating latent heat of vapor phase fluid being transported.

6. The component of claim 1, and further comprising: a sub-cooler having an external condensate line section, and an external vapor line section, the external vapor line section communicating with a vapor line in the hollow fluid transport sections and in the bendable fluid transport sections.

7. The component of claim 6, and further comprising: a further bendable hollow fluid transport section connecting the component in a heat pipe assembly.

8. The component of claim 1, and further comprising: an evaporator of a heat pipe assembly, the hollow fluid transport sections having a shape conforming to the exterior of the evaporator.

9. The component of claim 1, and further comprising: an evaporator of a heat pipe assembly; and a fin on each of the hollow fluid transport sections having a shape conforming to the shape of the exterior of the evaporator.

10. The component of claim 1, and further comprising: one or more of the hollow fluid transport sections providing a sub-cooler for condensate, and an external vapor line connected to a vapor collection manifold of a heat pipe assembly; the vapor line by-passing the sub-cooler and being connected to a bendable hollow fluid transport section that is, in turn, connected between the sub-cooler and an adjacent hollow fluid transport section.

11. The component of claim 1, and further comprising: a coupling tee having a liquid line section between the fluid transport sections and a reservoir of a heat pipe assembly, and the coupling tee having a vapor line section between the fluid transport sections and an evaporator of a heat pipe assembly.

12. The component of claim 1, and further comprising: the component being a condenser of a heat pipe assembly.

13. The component of claim 1, and further comprising: the component being a sub-cooler of a heat pipe assembly.

14. A heat pipe assembly comprising:

a hollow envelope having an evaporator and a condenser containing a quantity of working fluid;

the condenser having hollow fluid transport sections communicating with hollow bendable fluid transport sections; the bendable fluid transport sections being bendable to stack the rigid sections in a compact volume.

15. The heat pipe assembly of claim 14, and further comprising: fins on the hollow fluid transport sections.

16. The heat pipe assembly of claim 14, and further comprising: a liquid line extending through the hollow fluid transport sections and through the bendable fluid transport sections.

17. The heat pipe assembly of claim 14, and further comprising: an exterior side of each of the hollow and bendable fluid transport sections dissipating latent heat of vapor phase fluid.

18. The heat pipe assembly of claim 14, and further comprising: a sub-cooler having an external condensate line section, and an external vapor line section, the external vapor line section communicating with a vapor line in the hollow fluid transport sections and in the bendable fluid transport sections.

19. The heat pipe assembly of claim 14, and further comprising: the hollow fluid transport sections having a shape conforming to the exterior of the evaporator.